

Shoshone 65-38

Plug and Abandonment Procedure Revised 3/28/2022

Well Information

Field: Circle Ridge

County: Fremont County, Wyoming

Legal: 0' FNL & 0' FEL Section 36 T7N R3W

Lat/Long: 43.5354, -109.05777

API#: 4901306845

Ground level elevation	7,229'	KB Elevation:	7,238'
TD:	4,030'	PBTD:	1,192'
Surface Casing:	13-3/8" 48.0 #/ft @ 154'		
Surface Casing Cement:	100 sx		
Surface Casing TOC:	Surface	Source:	Drilling Report
Production Casing;	5-1/2" 14.0, 15.5, & 17.0 #/ft @ 1,217'		
Production Casing Cement	100 sx		
Production Casing TOC	715' Surface (Remedial Job)	Source:	Calculation Workover Rpt (05/2015)
Production Tubing	2-7/8" 6.5 #/ft tubing and packer		
Open perforations	Embar: 882' – 1,152'		
Well Status	Shut In Injector		

Note: All cement pumped for this procedure will be 15.8 ppg Class G neat cement with a yield of 1.16 cu. Ft/sk and .3% by weight dispersant added.

Plugging Procedure

- 1. MIRU, pull all tubing, packers, rods, and pumps out of hole.
- 2. Run Bit and Scraper to PBTD.
- 3. Set CICR 50' above the top perforation @ 832'.
- 4. Pump 1.5x wellbore volume (60 sx) of cement below CICR.
- 5. Sting out of CICR, pump 25 sx on top of retainer (TOC = 620').
- 6. WOC-24-hours. This step has been deemed to be not necessary and is removed
- 7. Pressure test production casing to a minimum of 500 psi for 10 minutes.
- 8. RIH with 2 3/8" 4.9#/ft tubing to 200' below surface.
- 9. Pump balance plug from 200' to surface inside production casing.
- 10. WOC 24 hours. If cement level has fallen top off production casing with cement back to surface utilizing 1" poly hose.
- 11. Cut casing 3' below grade and weld on dry hole plate w/ legal ID. Remove rig anchors.

Total Depth
Location: Section 36, T7N, R3W

Well: Shoshone 65 38
Status: SHUT-IN
County, State: FREMONT, WYOMING
API: 490130684500

CPF: Circle Ridge Spud Date: 1/1/1900 Ground Elevation: 7,229.00 KB Elevation: 7,238.00 On Production Date: 8/22/1954

SHOSHONE-65 38, 1/28/2022 2:03:20 PM MD (ftKB) Vertical schematic (actual) Chugwater; 0.0-724.0; 724.00 [Des:Surface Casing Cement; Depth MD:9.0-154.0 ftKB; Date:5/19/1954; Com:Cmt 13-3/8" csg w/100 sxs to surf. Press. up to 500 0.0 psi.; Top MD:9.0 ftKB; Btm MD:154.0 ftKB 3 (48) (3 8.9 13 3/8: 9.0-154.0 Des:Remedial Cement Squeeze; Depth MD:60.0-193.0 ftKB; Date:6/3/2015; Com:Pressure tested surface lines to 1370 psi. Held 60.0 solid. Pumped 10 bbls of water and wellhead leaked twice. Found debris in the threads. Tested good afterwards. Pumped 130 sacks neat class "G" at 0.7 to 0.9 BPM and 130 psi. Wellhead was bubbling. Pumped 70 sacks of 2% class "G" with CaCl2 at 1.2 BPM and ~300 psi. Cement started coming out of the surface casing. Pumped 2.5 bbls of water as displacement. SIP was 145 psi. Good 153.9 160.1 ement continuedd to flow out of the wellhead. Estimate that 3-4 bbls flowed out over 20 minutes.; Top MD:60.0 ftKB; Btm MD:193.0 192.9 -3-1; Tubing; 2 3/8; 2.00; 0.0-747.9; 747.88 5 1/2; 9.0-1,000.0; 8 rd SLS 334.0 714.9 724.1 Dinwoody; 724.0-890.0; 166.00 748.0 -3-2; Pump Seating Nipple; 2 3/8; 747.9-751.5; 3.58 751.3 -3-3: Packer AD-1 Set w/ 20 K: 2 3/8: 751.5-752.6: 1.10 752 6 PERFORATED; 882.0-895.0; 8/20/1954 890 1 Embar; 890.0-1,177.0; 287.00 895.0 902.9 PERFORATED: 903.0-915.0; 8/20/1954 915.0 921.9 PERFORATED: 922.0-944.0: 9/16/1985 936.0 PERFORATED; 936.0-942.0; 8/20/1954 941.9 943.9 Des:Production Casing Cement; Depth MD:715.0-1,217.0 ftKB; Date:8/17/1954; Com:100 sacks from 1217' to 715' by calculation. Top MD:715.0 ftKB; Btm MD:1,217.0 ftKB 967.8 PERFORATED; 968.0-978.0; 8/19/1954 978.0 1 000 0 1.038.1 PERFORATED; 1,038.0-1,048.0; 8/19/1954 1.047.9 1,062.0 PERFORATED; 1,062.0-1.074.0; 8/19/1954 1.074.1 5 1/2; 1,000.0-1,173.0; 8 rd SLS 1,116.1 -PERFORATED: 1.116.0-1.126.0: 8/19/1954 1,126.0 1.138.1 PERFORATED: 1,138.0-1,152.0: 8/19/1954 1,151.9 1,172.9 Tensleep; 1,177.0-1,478.0; 301.00 Des:Production Casing Cement (plug); Depth MD:1,192.0-1,217.0 ftKB; Date:8/17/1954; Com:100 sacks from 1217' to 715' by calculation.; Top MD:1,192.0 ftKB; Btm MD:1,217.0 ftKB 5 1/2; 1,173.0-1,217.0; 10V SLS 1,176.8 1.191.9 Des:Cement Plug; Depth MD:1,450.0-1,510.0 ftKB; Date:8/17/1954; Com:PB Amsden 1510'-1450' w/20 sxs cmt; Top MD:1,450.0 ftKB; Btm MD:1,510.0 ftKB 1.450.1 1,478.0 Amsden; 1,478.0-2,130.0; 652.00 1,509.8 Darwin; 2,130.0-2,262.0; 132.00 2,129.9 Des:Cement Plug; Depth MD:2,230.0-2,290.0 ftKB; Date:8/17/1954; Com:PB Madison 2290'-2230' w/20 sxs cmt.; Top MD:2,230.0 2.230.0 ftKB; Btm MD:2,290.0 ftKB 2,262.1 Madison; 2,262.0-3,309.0; 1,047.00 2.290.0 Des:Cement Plug; Depth MD:2,445.0-2,685.0 ftKB; Date:8/14/1954; Com:PB 2685'-2445' w/75 sxs reg. cmt. Tag @ 2301' & drilled out 2 444 9 to 2445'; Top MD:2,445.0 ftKB; Btm MD:2,685.0 ftKB 2.685.0 Des:Cement Plug; Depth MD:3,280.0-3,345.0 ftKB; Date:8/14/1954; Com:PB 3345'-3280' w/20 sxs reg. cmt; Top MD:3,280.0 ftKB; 3 279 9 Btm MD:3,345.0 ftKB 3,309.1 Darby; 3,309.0-3,425.0; 116.00 3.345.1 Des:Cement Plug; Depth MD:3,400.0-3,465.0 ftKB; Date:8/14/1954; Com:PB 3465'-3400' w/20 sxs reg. cmt; Top MD:3,400.0 ftKB; 3,399.9 Btm MD:3,465.0 ftKB 3 424 9 Big Horn; 3,425.0-4,030.0; 605.00 3,464.9 Des:Cement Plug; Depth MD:3,790.0-4,030.0 ftKB; Date:8/14/1954; Com:PB 4030'-3790' w/75 sxs reg. cmt; Top MD:3,790.0 ftKB; Btm MD:4,030.0 ftKB 3,790.0 4,029.9 Report Printed: 1/28/2022 Page 1/1